Mission-Centric Network Defense System (MCNDS)
George R. Barrett and Susan C. Lee
1881-SPL

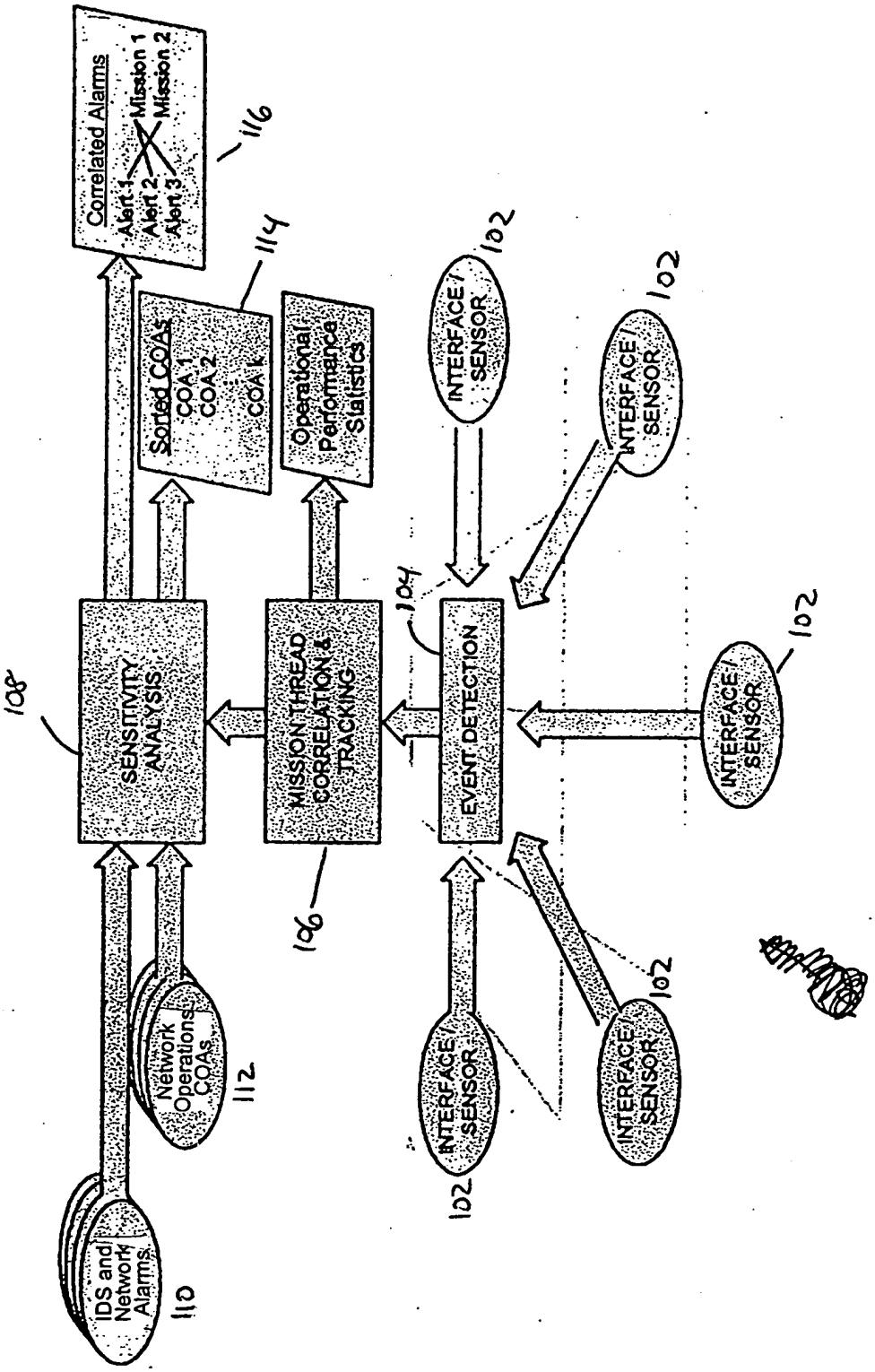

Figure 1

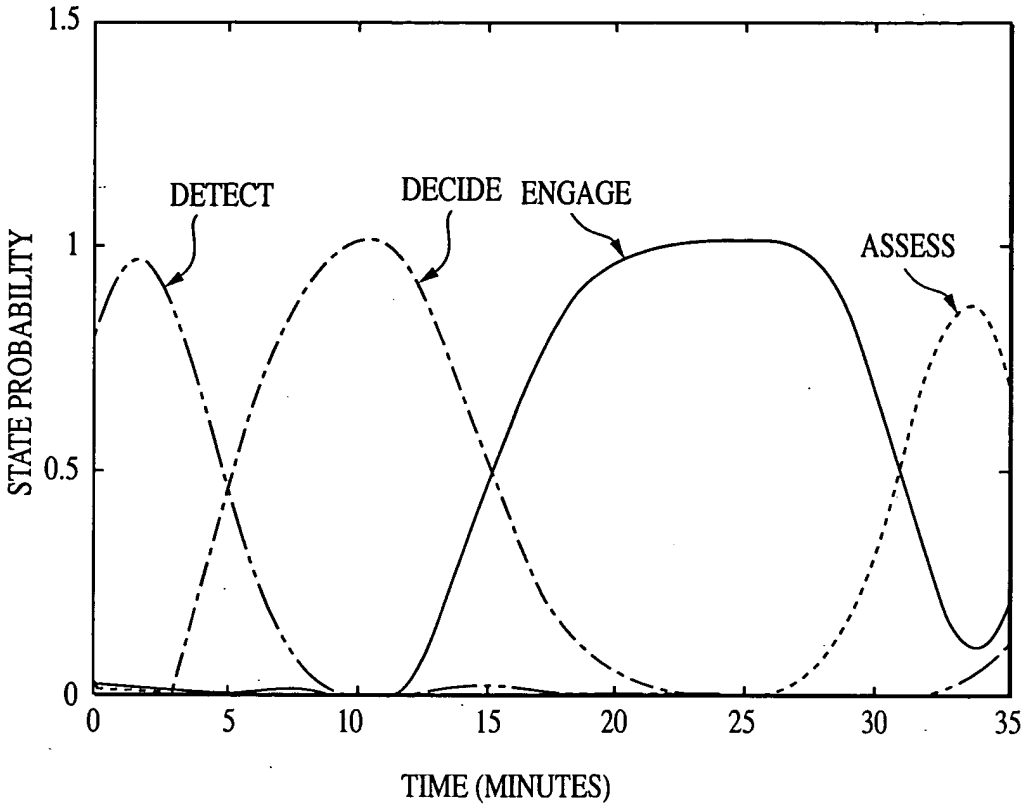
1.5
1
0.5
0
STATE PROBABILITY
DETECT
DECIDE
ENGAGE
ASSESS
0
5
10
15
20
25
30
35
TIME (MINUTES)

FIG. 2

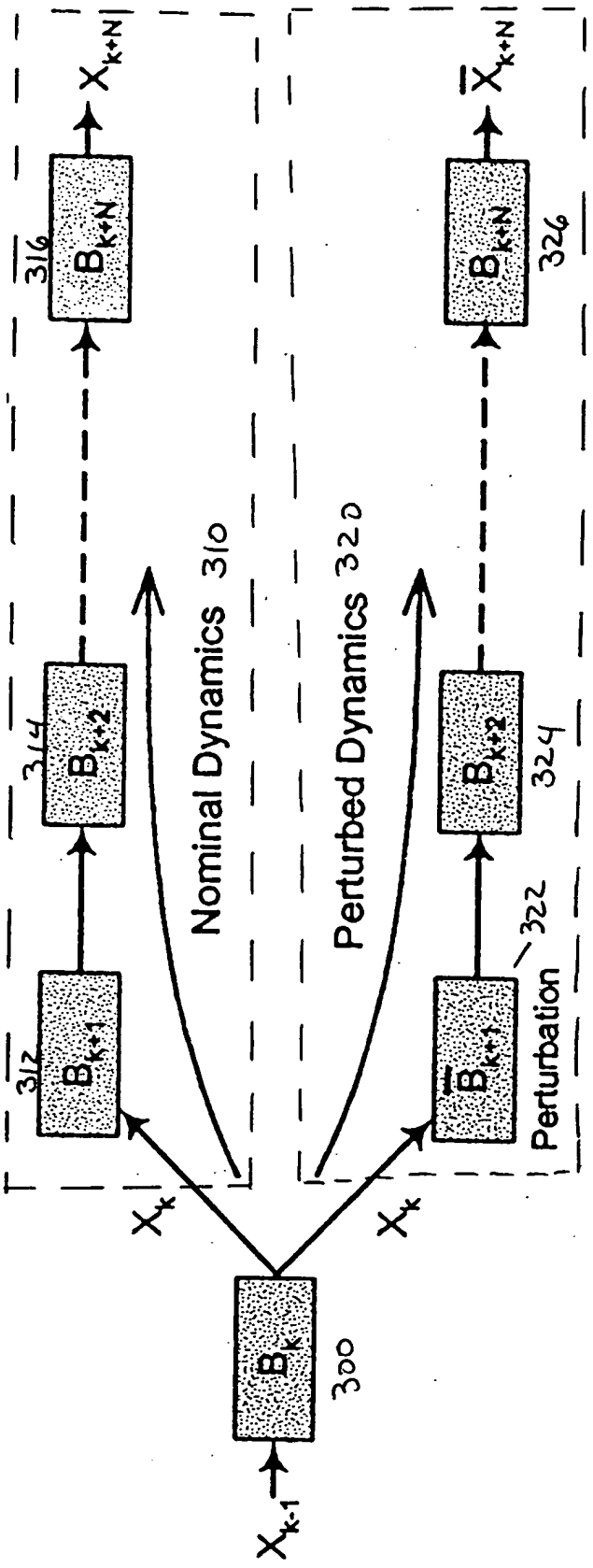
X_{k+N}
$\overline{X}_{k+N}$
316
B_{k+N}
326
B_{k+N}
314
B_{k+2}
B_{k+2}
324
Nominal Dynamics 310
Perturbed Dynamics 320
312
B_{k+1}
322
B_{k+1}
Perturbation
X_k
X_k
B_k
300
X_{k-1}

Figure 3

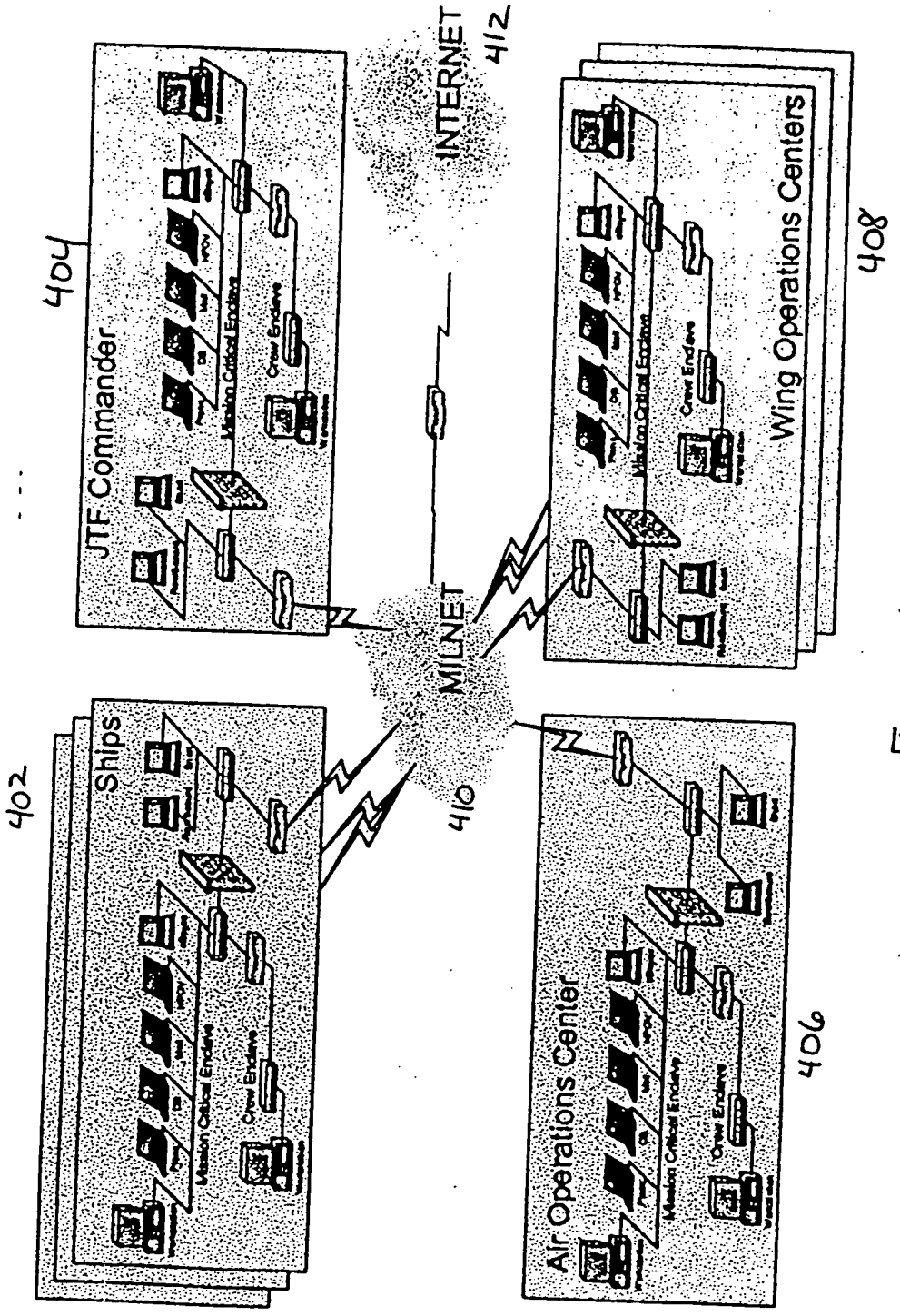
INTERNET
412
404
JTF Commander
408
Wing Operations Centers
MILNET
410
402
Ships
406
Air Operations Center

Figure 4

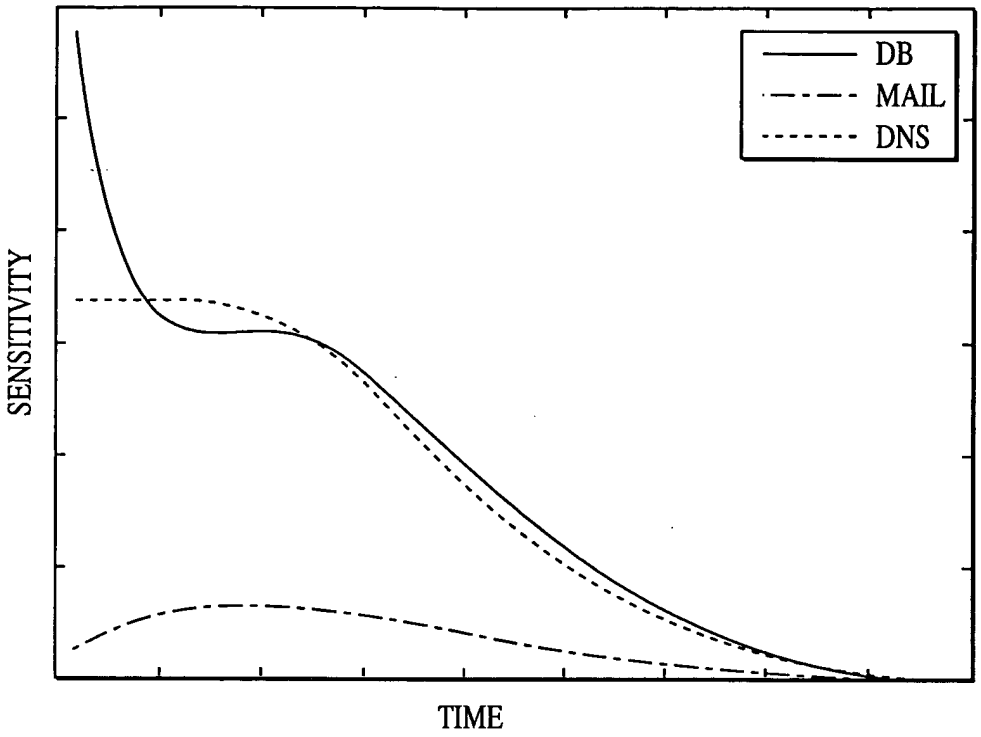

FIG. 5